

Supplementary article data

Good sensitivity and specificity of ultrasound for detecting pseudotumors in 83 failed metal-on-metal hip replacements

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Table 1. Ultrasound and revision surgery findings in each patient

Implant model	Revision indication	Time from primary to revision (years)	Time from ultrasound to revision (months)	Ultrasound: trochanteric region	Revision: trochanteric region	Ultrasound: iliopsoas region	Revision: iliopsoas region
ASR THR	ARMD	3.8	0.3	No PT	No PT	No PT	No PT
ReCap THR	Infection	1.9	0.8	No PT	No PT	No PT	No PT
BHR HR	ARMD	6.1	0.8	No PT	No PT	Mixed	Mixed
Pinnacle THR	ARMD	2.7	1.0	No PT	No PT	No PT	No PT
ASR THR	ARMD	7.2	1.2	No PT	No PT	No PT	No PT
ASR THR	ARMD	6.3	1.2	No PT	No PT	No PT	No PT
ASR THR	ARMD	5.0	1.3	No PT	No PT	No PT	No PT
ASR HR	ARMD	2.3	1.3	No PT	No PT	No PT	Fluid-filled
ASR THR	ARMD	4.7	1.3	No PT	No PT	No PT	No PT
ASR THR	ARMD	4.7	1.4	No PT	No PT	Mixed	Solid
ASR THR	ARMD	3.9	1.4	Fluid-filled	Fluid-filled	Mixed	Fluid-filled
ASR THR	ARMD	4.1	1.4	No PT	No PT	No PT	No PT
BHR HR	ARMD	8.2	1.6	Solid	Mixed	Solid	Mixed
ASR THR	ARMD	5.4	1.6	No PT	No PT	No PT	No PT
ASR HR	ARMD	3.9	1.7	Fluid-filled	Fluid-filled	Fluid-filled	Fluid-filled
ASR THR	ARMD	4.9	1.7	Fluid-filled	Fluid-filled	No PT	Fluid-filled
Pinnacle THR	ARMD	4.1	1.7	Fluid-filled	Fluid-filled	No PT	No PT
ASR THR	ARMD	5.6	1.8	No PT	No PT	No PT	No PT
ASR THR	ARMD	4.2	1.9	No PT	No PT	Mixed	Fluid-filled
ASR THR	ARMD	6.5	2.1	No PT	No PT	Mixed	Fluid-filled
M2a THR	ARMD	8.4	2.1	Fluid-filled	No PT	Fluid-filled	No PT
BHR HR	ARMD	8.5	2.1	No PT	No PT	Mixed	Mixed
ASR HR	ARMD	6.7	2.1	No PT	No PT	Mixed	Mixed
BHR HR	ARMD	10.2	2.2	No PT	No PT	No PT	No PT
Pinnacle THR	ARMD	7.7	2.2	No PT	No PT	No PT	No PT
ASR HR	ARMD	6.1	2.3	No PT	No PT	No PT	No PT
ReCap THR	ARMD	6.8	2.3	No PT	No PT	Fluid-filled	Fluid-filled
ASR THR	ARMD	5.4	2.3	No PT	No PT	No PT	No PT
ASR THR	ARMD	5.9	2.4	No PT	No PT	No PT	No PT
ReCap THR	ARMD	5.8	2.6	No PT	No PT	Fluid-filled	Solid
ASR THR	ARMD	6.2	2.6	No PT	No PT	Mixed	Solid
ASR THR	ARMD	6.5	2.6	No PT	No PT	Fluid-filled	Fluid-filled
BHR HR	ARMD	5.5	2.7	No PT	No PT	Mixed	Mixed
Pinnacle THR	ARMD	7.6	2.7	No PT	Fluid-filled	No PT	No PT
R3 THR	ARMD	3.6	2.8	Fluid-filled	Fluid-filled	No PT	No PT
ASR THR	ARMD	5.6	2.8	Fluid-filled	Fluid-filled	No PT	No PT
ASR HR	ARMD	5.2	3.0	No PT	No PT	No PT	Fluid-filled
ASR THR	ARMD	4.7	3.0	Fluid-filled	Fluid-filled	No PT	No PT
R3 THR	ARMD	4.6	3.2	No PT	No PT	Solid	No PT

Table 1. Continued

Implant model	Revision indication	Time from primary to revision (years)	Time from ultrasound to revision (months)	Ultrasound: trochanteric region	Revision: trochanteric region	Ultrasound: iliopsoas region	Revision: iliopsoas region
R3 THR	ARMD	3.5	3.3	No PT	No PT	Solid	Fluid-filled
ASR HR	ARMD	5.6	3.5	Fluid-filled	No PT	No PT	No PT
Durom THR	ARMD	3.8	3.5	Fluid-filled	Fluid-filled	Fluid-filled	Mixed
Conserve+ THR	ARMD	5.9	3.7	No PT	No PT	Fluid-filled	Fluid-filled
ASR HR	Acetabular loosening	6.2	3.8	No PT	No PT	No PT	No PT
ASR THR	ARMD	4.9	3.8	Fluid-filled	Fluid-filled	No PT	No PT
ASR HR	ARMD	6.8	3.8	No PT	Fluid-filled	No PT	No PT
Pinnacle THR	ARMD	6.6	3.9	Solid	Solid	No PT	No PT
ASR THR	ARMD	4.7	4.0	No PT	No PT	Mixed	Fluid-filled
Pinnacle THR	ARMD	5.2	4.2	No PT	Fluid-filled	No PT	Fluid-filled
R3 THR	ARMD	3.6	4.3	No PT	No PT	No PT	No PT
BHR THR	ARMD	4.4	4.3	No PT	No PT	Mixed	Mixed
Pinnacle THR	ARMD	6.8	4.4	Mixed	No PT	No PT	No PT
BHR HR	ARMD	8.4	4.6	No PT	No PT	No PT	Fluid-filled
ASR THR	ARMD	5.5	4.7	No PT	No PT	Mixed	Fluid-filled
ASR THR	ARMD	5.0	4.7	No PT	No PT	No PT	No PT
BHR THR	ARMD	6.4	4.9	Fluid-filled	No PT	Fluid-filled	Fluid-filled
ASR THR	ARMD	3.0	4.9	Fluid-filled	Fluid-filled	Fluid-filled	Fluid-filled
BHR HR	ARMD	8.6	5.4	No PT	No PT	No PT	No PT
Mitch THR	ARMD	5.6	5.4	Solid	Mixed	No PT	No PT
R3 THR	ARMD	4.1	5.6	Fluid-filled	Fluid-filled	No PT	Fluid-filled
ASR THR	ARMD	4.5	5.7	Fluid-filled	Fluid-filled	Fluid-filled	Fluid-filled
R3 THR	ARMD	4.5	6.1	Fluid-filled	Mixed	No PT	Fluid-filled
ASR THR	ARMD	4.4	6.1	No PT	No PT	No PT	No PT
BHR HR	ARMD	9.3	6.2	No PT	No PT	No PT	No PT
ASR THR	ARMD	4.6	6.3	No PT	No PT	Mixed	Solid
ASR THR	ARMD	4.4	6.5	No PT	No PT	No PT	No PT
ASR THR	ARMD	2.6	6.6	Fluid-filled	Fluid-filled	No PT	No PT
M2a THR	ARMD	10.6	6.6	No PT	No PT	No PT	No PT
BHR HR	ARMD	8.6	6.8	No PT	No PT	No PT	No PT
ASR THR	Infection	3.8	7.0	No PT	No PT	No PT	No PT
ASR THR	ARMD	5.4	7.0	No PT	No PT	No PT	No PT
ASR THR	ARMD	4.4	7.3	No PT	Fluid-filled	No PT	No PT
Mitch THR	ARMD	3.9	7.3	Fluid-filled	No PT	No PT	No PT
Mitch THR	ARMD	5.7	7.8	No PT	No PT	Mixed	Mixed
ASR THR	ARMD	4.2	8.0	No PT	No PT	No PT	No PT
ASR THR	ARMD	4.4	8.0	No PT	No PT	Fluid-filled	No PT
BHR THR	ARMD	5.9	9.0	Fluid-filled	Mixed	No PT	No PT
Pinnacle THR	Component malposition	2.4	9.5	No PT	No PT	No PT	No PT
BHR THR	ARMD	5.0	9.6	Fluid-filled	Fluid-filled	No PT	No PT
ASR THR	ARMD	4.1	9.9	No PT	No PT	No PT	No PT
ASR HR	ARMD	3.8	10.3	No PT	No PT	Fluid-filled	Fluid-filled
Pinnacle THR	ARMD	6.9	10.6	No PT	No PT	No PT	No PT

ARMD: Adverse Reaction to Metal Debris; No PT: no extracapsular pseudotumor.